ATTACHMENT D

SUMMARY OF GROUND WATER MONITORING DATA

(2004)

GLOBAL PETROLEUM CORPORATION

NPDES PERMIT NO. MA0003425

Global Petroleum Corporation 140 Lee Burbank Highway, Revere, Massachusetts NPDES Exclusion 98-086 Groundwater Treatment System Influent/Effluent Testing Results

Date			10/14/04			11/22/04			12/20/04					
Parameter	NPDES	Limit	Influe	nt	Efflue	nt	Influe	nt	Efflue	nt	Influe	nt	Efflue	nt
TPH	5	ppm	0.88	mg/l	ND	mg/l	1.6	mg/l	ND	mg/l	2.8	mg/l		mg/l
Methyl Butyl Tert Ether	70	ppb	172,000	ug/l		ug/l	193,000				200,000			ug/l
Benzene	5	ppb	2,770	ug/l	ND	ug/l	2,180			ug/l		_		ug/l
Toluene	*		3,380			ug/l	3,040			ug/l	4,640			ug/l
Ethylbenzene	*		343	ug/l		ug/l		ug/l		ug/l	568			ug/l
Xylenes	*		3,840	ug/l		ug/l	3,390			ug/l	5,120			ug/l
Total BTEX	100	ppb	10,333	ug/l		ug/l	9,161			ug/l	13,128			ug/l

ND - Not detected



11/04/04

Technical	Report	for
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Camp Dresser & McKee

Global Petroleum, Revere MA

Accutest Job Number: M42578

Sampling Dates: 10/14/04 - 10/15/04

Report to:

Camp, Dresser & McKee

WinklerJH@cdm.com

ATTN: Jim Winkler

Total number of pages in report: 16



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Pand Lab Director

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579) NY (23346) NJ (MA926) NAVY USACE

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Sample Summary

Camp Dresser & McKee

Global Petroleum, Revere MA

Job No:

M42578

Sample Number	Collected Date Time	By Received	Mati Code		Client Sample ID
M42578-1	10/15/04 10:50	TAN 10/20/04	AQ	Influent	INF-101504
M42578-2	10/15/04 11:10	TAN 10/20/04	AQ	Ground Water	CIN-101504
M42578-3	10/15/04 12:05	TAN 10/20/04	AQ	Ground Water	MID-1-101504
M42578-4	10/15/04 12:15	TAN 10/20/04	AQ	Ground Water	MID-2-101504
M42578-5	10/15/04 12:25	TAN 10/20/04	AQ	Effluent	EFF-101504
M42578-6	10/14/04 08:30	TAN 10/20/04	AQ	Trip Blank Water	ТВ



Page 1 of 1

Client Sa Lab Sam Matrix: Method: Project:	•	M4257 AQ - II EPA 6	'8-1 nfluent 02	n, Revere MA		Date Sampled: 10/15/04 Date Received: 10/20/04 Percent Solids: n/a				
Run #1	File ID AB1758	8 D	DF 1	Analyzed 10/23/04	By AF	Prep Date	Prep Batch	Analytical Batch		
Run #2	AB1760		200	10/25/04	AF	n/a	n/a n/a	GAB888 GAB889		

Run #2 Run #3	AB17602.D AB17662.D	200 1000	10/25/04 10/27/04	AF AF	n/a n/a	n/a n/a	GAB889 GAB892
	Purge Volume						
Run #1	5.0 ml						
Run #2	5.0 ml						
Run #3	5.0 ml						

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units Q	
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylenes (total) Methyl Tert Butyl Ether	2770 ^a 3380 ^a 343 3840 ^a 172000 ^b	200 200 1.0 200 1000	ug/l ug/l ug/l ug/l ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
	2,3,4-Trifluorotoluene	69%	74%	70%	61-124%

(a) Result is from Run# 2

(b) Result is from Run# 3

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Page 1 of 1

Client Sample ID: INF-101504

Lab Sample ID:

M42578-1

Date Sampled: 10/15/04

Matrix:

AQ - Influent

Date Received: 10/20/04

Percent Solids: n/a

Project:

Global Petroleum, Revere MA

General Chemistry

Analyte

Result

RL

Units

DF

Analyzed

By Method

Petroleum Hydrocarbons

0.88

0.62

mg/l

1

10/20/04

EPA 418.1

Page 1 of 1

Client Sample ID: CIN-101504

Lab Sample ID: Matrix:

M42578-2

AQ - Ground Water

Date Sampled: Date Received: 10/20/04

10/15/04

Method:

EPA 602

Percent Solids: n/a

Project: Global Petroleum, Revere MA

File ID DF Analyzed By Prep Date Prep Batch **Analytical Batch** Run #1 AB17589.D 10/23/04 AF **GAB888** 1 n/a n/a Run #2 AB17603.D 5 10/25/04 AF n/a **GAB889** n/a

Purge Volume Run #1 5.0 ml

5.0 ml Run #2

Purgeable Aromatics, MTBE

CAS No. Compound Result RLUnits Q 71-43-2 Benzene ND 1.0 ug/l 108-88-3 Toluene ND 1.0 ug/l 100-41-4 Ethylbenzene ND 1.0 ug/l 1330-20-7 Xylenes (total) 2.3 1.0 ug/l Methyl Tert Butyl Ether 1160 a 1634-04-4 5.0 ug/l CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits 2,3,4-Trifluorotoluene 68% 72% 61-124%

(a) Result is from Run# 2

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Page 1 of 1

Client Sample ID: CIN-101504

Lab Sample ID:

M42578-2

Date Sampled: 10/15/04

Matrix:

AQ - Ground Water

Date Received: 10/20/04

Project:

Global Petroleum, Revere MA

Percent Solids: n/a

General Chemistry

Analyte

Result

RL

Units

DF

Analyzed

Method

Petroleum Hydrocarbons

< 0.62

0.62

mg/l

1

10/20/04

BF EPA 418.1

Client Sample ID: MID-1-101504

Lab Sample ID:

M42578-3

Matrix: Method: AQ - Ground Water

EPA 602

Date Sampled: 10/15/04

Date Received: 10/20/04

Percent Solids: n/a

Project:

Global Petroleum, Revere MA

DF

1

By

ΑF

Analyzed

10/23/04

Prep Date n/a

Prep Batch n/a

Analytical Batch GAB888

Run #1 Run #2

Purge Volume

AB17590.D

Run #1

5.0 ml

File ID

Run #2

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylenes (total) Methyl Tert Butyl Ether	ND ND ND ND 7.9	1.0 1.0 1.0 1.0	ug/l ug/l ug/l ug/l ug/l
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	66%		61-124%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Page 1 of 1

Client Sample ID: MID-1-101504

Lab Sample ID: Matrix:

M42578-3

AQ - Ground Water

Date Sampled: 10/15/04

Date Received: 10/20/04

Percent Solids: n/a

Project:

Global Petroleum, Revere MA

General Chemistry

Analyte

Result

RL

Units

DF

Analyzed

Method

Petroleum Hydrocarbons

< 0.61

0.61

mg/l

1

10/20/04

BF EPA 418.1

RL = Reporting Limit

Page 1 of 1

Client Sample ID:	MID-2-101504
Lab Sample ID:	M42578-4
Matrix:	AQ - Ground W

AQ - Ground Water EPA 602 Date Sampled: 10/15/04 Date Received: 10/20/04 Percent Solids: n/a

Method: Project:

Global Petroleum, Revere MA

File ID DF Analyzed By Prep Date Prep Batch Analytical Batch Run #1 AB17591.D 1 10/23/04 AF n/a n/a GAB888

Run #2

Purge Volume Run #1 5.0 ml

Run #2

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units Q
71-43-2 108-88-3	Benzene Toluene	ND ND	1.0 1.0	ug/l ug/l
100-41-4 1330-20-7	Ethylbenzene Xylenes (total)	ND ND	1.0 1.0	ug/l ug/l
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	65 %		61-124%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Client Sample ID: MID-2-101504

Lab Sample ID: Matrix:

M42578-4 AQ - Ground Water Date Sampled: 10/15/04

Date Received: 10/20/04

Percent Solids: n/a

Project:

Global Petroleum, Revere MA

General Chemistry

Analyte

Result

RL

Units

DF Analyzed

By Method

Petroleum Hydrocarbons

< 0.63

0.63

mg/l

1

10/20/04

EPA 418.1

Client Sample ID: EFF-101504

Lab Sample ID:

M42578-5

Matrix: Method: AQ - Effluent

EPA 602

Date Sampled: 10/15/04 Date Received: 10/20/04

Ву

AF

Analyzed

10/23/04

Project:

Global Petroleum, Revere MA

DF

1

Percent Solids: n/a

Prep Date

n/a

Prep Batch **Analytical Batch** n/a **GAB888**

Run #1 Run #2

Purge Volume

AB17592.D

Run #1

5.0 ml

File ID

Run #2

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylenes (total) Methyl Tert Butyl Ether	ND ND ND ND ND	1.0 1.0 1.0 1.0	ug/l ug/l ug/l ug/l ug/l
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	65%		61-124%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Page 1 of 1

Client Sample ID: EFF-101504

Lab Sample ID:

M42578-5

Matrix:

AQ - Effluent

Date Sampled: 10/15/04

Date Received: 10/20/04

Percent Solids: n/a

Project:

Global Petroleum, Revere MA

General Chemistry

Analyte

Result

RL

Units

DF

Analyzed

By Method

Petroleum Hydrocarbons

< 0.63

0.63

mg/l

1

10/20/04

BF EPA 418.1 Client Sample ID: TB

Lab Sample ID:

M42578-6

Matrix:

AQ - Trip Blank Water

Method:

EPA 602

Date Sampled: 10/14/04 Date Received: 10/20/04

Percent Solids: n/a

Project:

Global Petroleum, Revere MA DF

AB17593.D

Analyzed 10/23/04

By ΑF Prep Date n/a

Prep Batch

Analytical Batch GAB888

Run #1 1 Run #2

File ID

Purge Volume

Run #1 Run #2 5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units Q
71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	Benzene Toluene Ethylbenzene Xylenes (total) Methyl Tert Butyl Ether	ND ND ND ND ND	1.0 1.0 1.0 1.0 1.0	ug/l ug/l ug/l ug/l ug/l
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2.3.4-Trifluorotoluene	64%		61-124%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Misc. Forms
Custody Documents and Other Forms
Includes the following where applicable:

• Chain of Custody



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Laboratories CLIENT INFORMATION (DM) NAME 50 HAMPSHIPE 5T ADDRESS AMBRIDGE, MA CITY, JIM USTATIKUSK ZIP BEND REPORT TO: 61 - 452 - 6263				MARLBOROUGH, MA 01752 TEL: 508-481-6200 • FAX: 508-481-7753										ACCUTEST QUOTE #:									
													ANALYTICAL INFORMATION AND MATRIX CODE										
				PROJECT PROJECT FAX #	40 LA R 0394	3AL E B EUB L-31	AL PITTROVAUM I BURBANK HIN RIERE, MA -85913-0M.W					1418.								DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OI - OIL LIQ - CTHER LIQUE SOL - OTHER			
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M42578: Chain of Custody
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